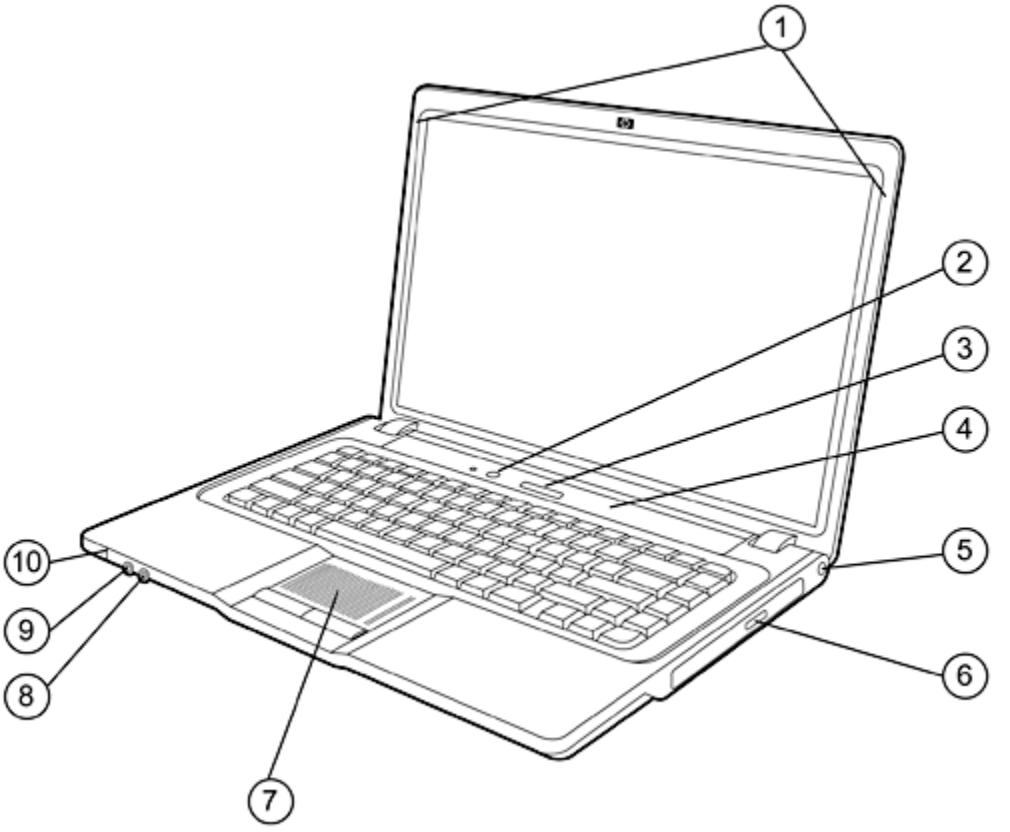
Overview

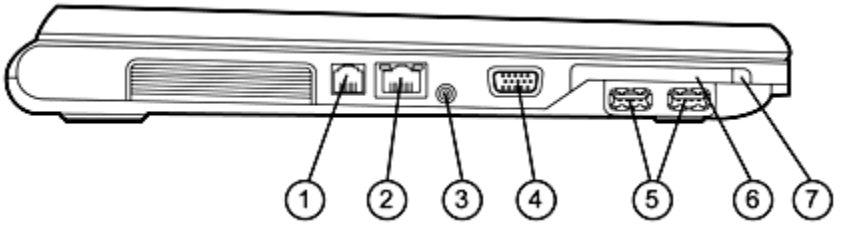
HP recommends
Windows Vista® Business



1. Dual-band Wireless LAN Antennas*
2. Wireless On/Off Button with LED*
3. Power Button with LED
4. Speaker
5. Kensington Lock Slot
6. Optical Drive
7. Touchpad with Scroll Zone
8. Microphone Jack
9. Headphone Jack
10. Battery LED

* Select models only

Left Side



1. RJ-11 Port (Modem)
2. RJ-45 Port (NIC)
3. DC Power Connector
4. VGA/External Monitor Connector
5. 2 USB 2.0 Ports
6. PC Card Slot
7. PC Card Eject Button

At A Glance

- Genuine Windows Vista Business 32,
  Genuine Windows Vista Home Basic 32
  FreeDOS, or
  Red Flag Linux*
- Intel® Core™ Duo processor or Intel Celeron® M processor
- 15.4-inch WXGA BrightView Display
- Sleek industrial design starting at 6 lb/2.7 kg and 1.26 inch/31.9 mm thin at front
- Mobile Intel 945GM Express Chipset or Mobile Intel 940GML Express Chipset
- Supports up to 2 GB of DDR2 SDRAM
- 80/120/160-GB 5400 rpm SATA hard drive
- Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
- Integrated 802.11 a/b/g or b/g wireless LAN module**
- Intel Centrino® Duo processor technology**
- Intel 82562GT 10/100 Network Connection
- Touchpad with scroll zone

* Operating system options vary by country.
** Select models only

Select Models

HP 530 KD080AA#XXX [EMEA] (may vary based on local regulatory requirements)	**Processor**	Intel Celeron M Processor 440M (1.86-GHz, 533-MHz FSB, 1-MB L2 cache)[1]
	Operating System	FreeDOS
	Chipset	Mobile Intel 940GML Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Broadcom WMIB184G 802.11b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD081AA#XXX [LA] (may vary based on local regulatory requirements)	**Processor**	Intel Celeron M Processor 440M (1.86-GHz, 533-MHz FSB, 1-MB L2 cache)[1]
	Operating System	FreeDOS
	Chipset	Mobile Intel 940GML Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	120-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Broadcom WMIB184G 802.11b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter

Select Models

	Warranty	1/1/0

HP 530 KD082AA#XXX [LA] (may vary based on local regulatory requirements)	**Processor**	Intel Celeron M Processor 440M (1.86-GHz, 533-MHz FSB, 1-MB L2 cache)[1]
	Operating System	Genuine Windows Vista Home Basic 32
	Chipset	Mobile Intel 940GML Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD/CD-RW Combo Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Broadcom WMIB184G 802.11b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD083AA#XXX [NA] (may vary based on local regulatory requirements)	**Processor**	Intel Celeron M Processor 440M (1.86-GHz, 533-MHz FSB, 1-MB L2 cache)[1]
	Operating System	Genuine Windows Vista Home Basic 32
	Chipset	Mobile Intel 940GML Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD/CD-RW Combo Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Broadcom WMIB184G 802.11b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion

Select Models

	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD084AT#XXX [NA] (may vary based on local regulatory requirements)	**Processor**	Intel Celeron M Processor 440M (1.86-GHz, 533-MHz FSB, 1-MB L2 cache)[1]
	Operating System	Genuine Windows Vista Home Basic 32
	Chipset	Mobile Intel 940GML Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD/CD-RW Combo Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Broadcom WMIB184G 802.11b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD085AA#XXX [EMEA] (may vary based on local regulatory requirements)	**Processor**	Intel Celeron M Processor 440M (1.86-GHz, 533-MHz FSB, 1-MB L2 cache)[1]
	Operating System	Genuine Windows Vista Home Basic 32
	Chipset	Mobile Intel 940GML Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Broadcom WMIB184G 802.11b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons

Select Models

	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 SKU Part KD086AA#XXX [LA] (may vary based on local regulatory requirements)	**Processor**	Intel Celeron M Processor 440M (1.86-GHz, 533-MHz FSB, 1-MB L2 cache)[1]
	Operating System	Genuine Windows Vista Home Basic 32
	Chipset	Mobile Intel 940GML Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	120-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Broadcom WMIB184G 802.11b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 SKU Part KD087AA#XXX [APJ] (may vary based on local regulatory requirements)	**Processor**	Intel Celeron M Processor 440M (1.86-GHz, 533-MHz FSB, 1-MB L2 cache)[1]
	Operating System	Genuine Windows XP Professional
	Chipset	Mobile Intel 940GML Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD/CD-RW Combo Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	None

Select Models

	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD088AA#XXX [EMEA & APJ] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	FreeDOS
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD089AA#XXX [LA & EMEA] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	FreeDOS
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	120-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory

Select Models

	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0
HP 530 KD090AA#XXX [LA & EMEA] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Home Basic 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	120-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

Select Models

HP 530 KD091AA#XXX [LA] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Home Basic 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	160-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD092AA#XXX [EMEA & APJ] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T24000 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Basic 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	1024-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	120-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g

Select Models

	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD093AA#XXX [APJ] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Business 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD094AA#XXX [NA] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Business 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	1024-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory

Select Models

	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0
HP 530 KD095AT#XXX [NA] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Business 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	1024-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
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	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

Select Models

HP 530 KD096AA#XXX [NA & APJ] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Business 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	1024-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
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	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD097AT#XXX [NA] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Business 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	1024-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
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	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g

Select Models

	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD098AA#XXX [LA] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Business 32
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	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KD099AA#XXX [LA] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Business 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	1024-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	160-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory

Select Models

	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0
HP 530 KD100AA#XXX [AP] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2600 (2.16-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Business 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	1024-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	120-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

Select Models

HP 530 KE665AA#XXX [EMEA] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Premium 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	1024-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KE666AA#XXX [EMEA] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	FreeDOS
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	1024-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	120-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g

Select Models

	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KG638AA#XXX [APJ] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2400 (1.83-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Business 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	512-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	80-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory
	Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
	Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
	Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
	Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
	Battery	4-cell (32 WHr) Lithium-Ion
	Power	External 65W adapter
	Warranty	1/1/0

HP 530 KG639AA#XXX [APJ] (may vary based on local regulatory requirements)	**Processor**	Intel Core Duo Processor T2600 (2.16-GHz, 667-MHz FSB, 2-MB L2 cache)[1]
	Intel Centrino Duo processor technology	Enabled
	Operating System	Genuine Windows Vista Business 32
	Chipset	Mobile Intel 945GM Express Chipset
	System Memory	1024-MB 533/667-MHz DDR2 SDRAM Two SODIMM slots; supported memory 2048 MB[2]
	Hard Drive	120-GB[3] 5400 rpm SMART SATA
	Removable Media	DVD+/-RW SuperMulti DL Drive
	Display	15.4-inch WXGA BrightView (1280 x 800 resolution) VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz[4]
	Graphics	Intel Graphics Media Accelerator 950, up to 224-MB shared system memory

Select Models

Audio	Conexant CX20549 Integrated speaker Stereo headphone/line out Microphone in
Communications	Intel 82562GT 10/100 Network Connection Conexant CX20548-11 56K modem[5]
Integrated Wireless	Intel PRO/Wireless 3945ABG Network Connection 802.11a/b/g
Pointing Device	Touchpad with scroll zone, two soft-touch pick buttons
Battery	4-cell (32 WHr) Lithium-Ion
Power	External 65W adapter
Warranty	1/1/0

1. Intel's numbering system is not a measurement of higher performance. Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
2. Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility.
3. GB = 1 billion bytes. Actual available capacity is less. Up to 8-GB of memory is reserved for system recovery software.
4. Resolutions are dependent upon monitor capability, and resolution and color depth settings.
5. Designed for downloads from 56K modem compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Modem availability is subject to country regulatory approval.
6. Certain Windows Vista product features require advanced or additional hardware. See http://www.microsoft.com/windowsvista/getready/hardwarereqs.mspx and http://www.microsoft.com/windowsvista/getready/capable.mspx for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit http://www.windowsvista.com/upgradeadvisor.

Standard Features

Keyboard	The 101/102-key compatible keyboard features an industry standard, full-pitch key layout with desktop keyboard features, such as the isolated inverted-T cursor control keys, editing keys, both left and right control and alt keys, and 12 function keys. International key layouts are available. Other features include an integrated numeric keypad, hotkeys for instant access to power conservation, brightness, and other features, 19-mm x 19-mm key pitch (center-to-center spacing), 2.5-mm stroke, comfort-dished keycaps, and bright key legends for improved visibility in low light conditions.	
Expansion Card Slots	**One Type I/II PC Card slot**	Supports 32-bit CardBus and 16-bit PC Cards
Interfaces	**PC Card Slot**	One Type I/II
	External Monitor	One – VGA
	External Microphone	One
	Headphone/Line out	One
	Power Connector	One
	RJ-11 (Modem)	One
	RJ-45 (NIC)	One
	USB 2.0	Two
	LED Status Indicators	Five
Software	**Preinstalled Software with Windows Vista**	Adobe Acrobat Reader HP Backup and Recovery Manager HP Help and Support Center Roxio Creator Basic 9 Synaptics Touchpad Driver Symantec Norton Internet Security 2007 with complimentary 60-day live update Intervideo WinDVD – DVD Player
HP Backup and Recovery Manager	Each unit is shipped with HP Backup and Recovery Manager. HP Backup and Recovery Manager can provide data and system file protection for HP business PCs to enable fast recovery if the system becomes corrupted or if important information is accidentally deleted. HP Backup and Recovery Manager can perform scheduled or manual backups of the entire drive or individual files and folders. Up to 8GB of the hard drive is reserved for the system recovery software. HP Backup and Recovery Manager can also create software recovery CDs or DVDs (requires optional hardware).	
SMBIOS Version 2.3	System Management BIOS, previously known as DMI BIOS, is used to store system managemen information.	

Standard Features

Security	**Standard Features**	Configuration Control Hardware Memory Change Alert Ownership Tag Setup Password Power-On Password DriveLock Kensington Lock Slot
	For more information on HP security solutions refer to http://www.hp.com/go/security.	
Power Supply	External 65-watt AC adapter, 6-foot (1.8-meter) power cord included. Total length including External AC adapter is 12 feet (3.66 meter). HP Fast Charge*	
* Fast Charge recharges your battery up to 90% within 90 minutes when the system is off.		
Battery	4-cell (32 WHr) high capacity Lithium-Ion 8-cell (63 WHr) high capacity Lithium-Ion	
Battery Life	Up to 2 hours and 42 minutes	
Power Conservation	Hibernation Standby ACPI compliance	
Service and Support	HP Services offers limited 1-year warranty options depending on country; 1-year limited warranty on primary battery. On-site service and warranty upgrades are also available. **NOTE:** Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details. http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp.	

Options

Memory	512-MB 667-MHz DDR2 SDRAM*	EM993AA
	1024-MB 667-MHz DDR2 SDRAM*	EM994AA
	***NOTE:** Models with Mobile Intel 940GML Express Chipset use this memory at a maximum memory speed of 533-MHz.	
Other Storage	HP USB Diskette Drive	DC361B
Power	65W Smart AC Adapter	ED494AA#xx
	Primary 8-cell Battery	RW557AA
Carrying Cases	HP Value Nylon Case	RR314AA
	HP Universal Nylon Case	RR315AA
	HP Executive Leather case	RR316AA
	HP Deluxe Nylon Backpack	RR317AA
Security	HP/Kensington Cable Lock	PC766A
Input/Output Devices	USB Keyboard & Mouse Bundle	RC465AA#xx
	HP USB Optical Travel Mouse	RH304AA

Technical Specifications

System Unit	**Dimensions** (HxWxD)	1.26 (at front) x 14.09 x 10.12 in 35.9 (at front) x 357.9 x 227.0 mm	
	Weight	Starting at 6.0 lb (2.7 kg)	
	NOTE: Height varies depending upon where on the notebook the measurement is made. Weight varies by configuration and components. Weight includes 4-cell battery, 80-GB hard drive, 512-MB memory, and optical drive. Weight varies by configuration and components.		
	Stand-Alone Power Requirements	Normal Operating Voltage	18.5 V
		Average Operating Power	12.5 W
		Max Operating Power	< 65 W
	Temperature	Operating	32° to 95° F (0° to 35° C) (not writing optical)
			41° to 95° F (5° to 35° C) (writing optical)
		Non-operating	-4° to 140° F (-20° to 60° C)
	Relative Humidity	Operating	10% to 90%, non-condensing
		Non-operating	5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature
	Shock	Operating	125 G, 2 ms, half-sine
		Non-operating	200 G, 2 ms, half-sine
	Random Vibration	Operating	0.75 grms
		Non-operating	1.50 grms
	Altitude (unpressurized)	Operating	-50 to 10,000 ft (-15.24 to 3,048 m)
		Non-operating	-50 to 40,000 ft (-15.24 to 12,192 m)
	Industry Standard Certifications	UL	Yes
		FCC Compliance	Yes
		CCC	Yes
		CE Marking Compliance	Yes
		BNCI or BELLIS	Yes
		CIT	Yes
		GOST	Yes
		Saudi Arabian Compliance (ICCP)	Yes
		SABS	Yes
		UKRSERTCOMPUTER	Yes

Technical Specifications

65W AC Adapter	**Dimensions**	4.17 x 1.85 x 1.1 in (10.6 x 4.7 x 2.8 cm)	
	Weight	0.62 lb (280 g)	
	Input	100 to 240 VAC	
		Input Efficiency	83% min at 115 VAC
		Input frequency range	47 to 63 Hz
		Input AC current	1.7 A at 90 VAC, 0.85 A at 180 VAC
	Output	Output power 65W	65W
		DC output	18.5V
		Hold-up time	5 msec at 115 VAC input
		Output current limit	<5A, Over voltage protection- 29V max automatic shutdown
	Connector	3 pin/grounded, mates with interchangeable cords	
	Environmental Design	Operating temperature	32° to 104° F (0° to 40° C)
		Non-operating (storage) temperature	-4° to 149° F (-20° to 65° C)
		Altitude	0 to 10,000 ft (0 to 3,048 m)
		Humidity	20% to 80%
		Storage Humidity	10% to 90%
	EMI and Safety Certifications	CE Mark - full compliance with LVD and EMC directives; Worldwide safety standards - IEC950, EN60950, UL1950, Class2, SELV; Agency approvals - C-UL-US, NORDICS, DENAN, EN55022 Class B, FCC Class B, CISPR22 Class B, CCIB, NOM-1 NYCE; MTBF - over 200,000 hours at 25°C ambient condition.	

32 WHr Primary 4-Cell Battery	**Dimensions** (H x W x L)	0.8 x 1.6 x 10.6 in (2.4 x 4.0 x 26.9 cm)	
	Weight	0.50 lb (0.225 kg)	
	Cells/Type	4-cell Lithium-Ion	
	Energy	Voltage	14.4 V
		Watt-hour Capacity	32Wh
		Amp-hour Capacity	2.2Ah
	Temperature	Operating (Charging)	32° to 113° F (0° to 45° C)
		Operating (Discharging)	14° to 140° F (–10° to 60° C)
		Non-operating	–4° to 140° F (–20° to 60° C)
	Battery Re-Charge Time	System in OFF mode or Standby	2.5 hours
		System ON	3 to 5 hours (depending on system power consumption)
		HP Fast Charge	Charges the battery up to 90% within 1.5 hours when system is OFF

Technical Specifications

15.4-inch WXGA BrightView	**Active Area** (W x H)	13.0 x 8.1 in (33.1 x 20.7 cm)	
	Diagonal Size	15.4 in (39.1 cm)	
	Surface Treatment	BrightView	
	Contrast Ratio	300:1 (typical)	
	Refresh Rate	60 Hz	
	Brightness	200 nit (typical)	
	Pixel Resolution	**Pitch**	0.259 mm
		Format	1280 x 800
		Configuration	RGB stripe
	Backlight	CCFL	
	PPI	98	
	Viewing Angle	±30° Horizontal, ±10° Vertical (minimum)	

Hard Drives

160-GB 5400 rpm SATA	**Drive Weight**	0.22 lb (101 g)	
	Capacity	160 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-7 / SATA 1.0a	
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
	Seek Time (typical reads, including settling)	Single Track	3 ms
		Average	13 ms
		Maximum	24 ms
	Rotational Speed	5400 rpm	
	Logical Blocks	312,581,808	
	Operating Temperature	41° to 131° F (5° to 55° C)	
	Features	ATA Security	

Technical Specifications

120-GB 5400 rpm SATA	**Drive Weight**	0.22 lb (101 g)	
	Capacity	120 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-7 / SATA 1.0a	
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
	Seek Time (typical reads, including settling)	Single Track	3 ms
		Average	13 ms
		Maximum	24 ms
	Rotational Speed	5400 rpm	
	Logical Blocks	234,441,648	
	Operating Temperature	41° to 131° F (5° to 55° C)	
	Features	ATA Security	

80-GB 5400 rpm SATA	**Drive Weight**	0.22 lb (101 g)	
	Capacity	80 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-7 SATA 1.0a	
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
	Seek Time (typical reads, including settling)	Single Track	3 ms
		Average	13 ms
		Maximum	24 ms
	Rotational Speed	5400 rpm	
	Logical Blocks	156,301,488	
	Operating Temperature	41° to 131° F (5° to 55° C)	
	Features	ATA Security	

Removable Storage Drives – Fixed Bay

Technical Specifications

DVD/CD-RW Combo Drive	**Access Times**	Random	<110 ms CD
			<130 ms DVD
	Max Data Transfer Rate	24X CD-ROM	3,600 KB/s
		8X DVD	10,800 KB/s
		24X CD-R	3,600 KB/s
		24X CD-RW	3,600 KB/s
	Transfer Mode	Multiword DMA Mode 2	
	Interface	EIDE	
	Supported Media (read)	CD-DA, CD+(E)G, CD-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge (Photo-CD, Video CD), Multisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R, DVD+RW	
	Supported Media (write)	CD-R, CD-RW	
	Max Media Capacity (read)	8.5 GB	
	Max Media Capacity (write)	700 MB	
	Transport	Tray loading	

DVD+/-RW SuperMulti DL Drive	**Access Times**	Random	<175 ms CD
			<230 ms DVD
	Max Data Transfer Rate	24X CD-ROM	3,600 KB/s
		8X DVD	10,800 KB/s
		24X CD-R	3,600 KB/s
		10X CD-RW	1,500 KB/s
		8X DVD+R	10,800 KB/s
		4X DVD+RW	5,400 KB/s
		8X DVD-R	10,800 KB/s
		4X DVD-RW	5,400 KB/s
		2.4X DVD+R(9)	2,700 KB/s
		5X DVD-RAM	6,750 KB/s
	Transfer Mode	Multiword DMA Mode	
	Interface	EIDE	
	Supported Media (read)	CD-DA, CD+(E)G, CD-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge (Photo-CD, Video CD), Multisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R, DVD+RW, DVD-RAM	
	Supported Media (write)	CD-R, CD-RW, DVD+R, DVD+RW, DVD-R, DVD-RW, DVD-RAM	
	Max Media Capacity (read)	8.5 GB	
	Max Media Capacity (write)	8.5 GB	
	Transport	Tray Loading	

Technical Specifications

Audio

Hardware	**Implementation**	Conexant CX20549
	Full Duplex	Yes
	Sound Blaster Pro compatible	Yes
	Microphone Jack	Mono
	Headphone/Line Out Jack	Stereo
Audio Output Quality	**Frequency Response**	20 Hz – 20 kHz
	Signal to Noise Ratio	>85 dB
	Total Harmonic Distortion	0.02%
	Noise Floor	-110 dB
	Play/Record Sampling Rate(s)	8 kHz– 48 kHz
	DAC	16, 18, or 20-bit
	ADC	16, 18, or 20-bit
Internal Speaker	**Power Rating**	1.5 Watts
	Impedance	4 Ohms

Communications

Intel 82562GT 10/100 Network Connection	**Ethernet Features**	10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30) Auto-Negotiation (Automatic Speed and Duplex Selection) Full Duplex and Half Duplex operation at 10 and 100 Mbit/s IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable) **NOTE:** Auto MDI/MDI-X is not supported.
	Power Management	ACPI compliant -- multiple power modes
	Performance Features	TCP / IP / UDP Checksum Offload
	Manageability	Boot-from-LAN using PXE 2.1 **NOTE:** Wake-on-LAN and Boot-from-LAN using RPL are not supported.
	NIC Device Driver Name	Intel 82562 Network Internet Connection
	Drivers Available	Windows Vista

Technical Specifications

Conexant CX20548 56K Modem	**Form Factor**	Integrated on system board
	Power Management Support	APM Revision 1.2, ACPI
	Approvals/ Certifications	UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 15 Class B, Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Other Countries
	Data Mode Capabilities	V.92 data V.8bis V.80 V44, V.42bis, MNP5 (Compression) V.42 (LAPM, MNP2-4) (Error Correction) **Optional symbol rates:** 2800, 3429 Asymmetric Symbol rates **Synchronous primary channel data signaling rates:** 3600, 31200 Automatic rate re-negotiation V.34 V.32bis V.32 V.23 V.22bis V.22 V.21 Bell 212A Bell 103J
	Fax Mode Capabilities	TIA/EIA-578-B (Class 1) T.30, T.4 (Group 3) V.17 V.29 V.27ter V.21 Channel 2
	Command Set	V.250 (Partial) TIA-602 Identification: +GMI, +GMM, +GMR Port control: +IPR, +ICF, +IFC, +ILRR Modulation: +MS, +MR, +MA Error control: +ES, +ER, +EB, +ESR, +ETBM Data compression: +DS, +DR V.251
Intel PRO/Wireless 3945ABG Network Connection	**Wireless LAN Standards**	IEEE 802.11a IEEE 802.11b IEEE 802.11g
	Interoperability	Wi-Fi certified Cisco Compatible Extensions Program compliant with Microsoft Windows 2000 and XP (details at http://www.hp.com/go/notebooks/WLAN)
	Frequency Band	2.4 GHz
	Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
	Modulation	Direct Sequence Spread Spectrum DBPSK, DQPSK, CCK, OFDM

Technical Specifications

Security[1]	Supports 64- and 128-bit WEP, WPA, WPA2, hardware-accelerated AES, 802.1x authentication types EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, LEAP, EAP-FAST, EAP-SIM. Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program Version 4).	
Sub-channels	Multinational support with frequency bands and channels compliant to local regulations.	
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK	
Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)	
Roaming	IEEE 802.11 compliant roaming between access points	
Output Power (for CKK)[2]	15 dBm	
Output Power (for OFDM; power varies by data rate)[2]	15 dBm	
Power Consumption	Transmit: 1.8 Watts (max) Receive: 1.4 Watts (max) Idle mode[3]: 150 mW (nominal) Sleep mode: 30 mW (max)	
Power Management	ACPI compliant power management 802.11 compliant power saving mode	
Receiver Sensitivity[4]	54 Mbps: -72 dBm, 11 Mbps: -88 dBm , 1 Mbps: -97 dBm	
Antenna Connections	2 U.FL type connectors, 50 ohm nominal impedance	
Range	802.11 a - Typical (@6 Mbps)	600 feet - Outdoor Open Area 150 feet - Indoor, Office environment
	802.11 b - Typical (@1 Mbps)	1200 feet - Outdoor Open Area 300 feet - Indoor, Office environment
	802.11 g - Typical (@1 Mbps)	1200 feet - Outdoor Open Area 300 feet - Indoor, Office environment
Form Factor	PCI-Express MiniCard	
Weight	0.013 lb (6 g)	
Dimensions	0.19 x 1.2 x 2.0 in (4.75 x 29.85 x 50.8 mm)	
Operating Voltage	3.3V +/- 9%, 1.5V +/- 5%	
Temperature	Operating Non-operating	32° to 176° F (0° to 80° C) -40° to 176° F (-40° to 80° C)
Humidity	Operating Non-operating	10% to 90% (non-condensing) 5% to 95% (non-condensing)
Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)

	Configuration Utility[5]	Microsoft Windows 2000 or XP Choice of Configuration Utility: • Microsoft Windows XP Wireless Network Connection Manager • Intel PROSet for Microsoft Windows 2000 or XP (required for Cisco Compatible Extensions support) Microsoft Windows Vista • Microsoft Windows Vista Wireless Network Connection Manager
	LED Activity	LED Off – Radio OFF; Solid LED On – Radio ON

1. Check latest software/driver release for updates on supported security features.
2. Maximum output power may vary by country according to local regulations.
3. In Power Save Polling mode.
4. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).
5. WLAN supplier's client utility is required for Cisco Compatible Extensions support with Microsoft Windows 2000 or XP. WLAN may also be compatible with certain third-party software supplicants.

Broadcom WMIB184G 802.11b/g WiFi Adapter	**Wireless LAN Standards**	IEEE 802.11b IEEE 802.11g
	Interoperability	Wi-Fi certified Cisco Compatible Extensions Program compliant with Microsoft Windows 2000 and XP (details at http://www.hp.com/go/notebooks/WLAN)
	Frequency Band	2.4 GHz
	Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
	Modulation	Direct Sequence Spread Spectrum DBPSK, DQPSK, CCK, OFDM
	Security[1]	Supports 64- and 128-bit WEP, WPA, WPA2, hardware-accelerated AES, 802.1x authentication types EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, LEAP, EAP-FAST, EAP-SIM. Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program Version 4).
	Sub-channels	Multinational support with frequency bands and channels compliant to local regulations.
	Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
	Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
	Roaming	IEEE 802.11 compliant roaming between access points
	Output Power (for CKK)[2]	17.5 dBm
	Output Power (for OFDM; power varies by data rate)[2]	15 dBm
	Power Consumption	Transmit: 2.0 W (max) Receive: 1.5 W (max) Idle mode[3]: 390 mW (nominal) Sleep mode: 20 mW (max)

Technical Specifications

Power Management	ACPI compliant power management 802.11 compliant power saving mode	
Receiver Sensitivity[4]	54 Mbps: -72 dBm, 11 Mbps: -88 dBm , 1 Mbps: -97 dBm	
Antenna type	High efficiency dual band antenna with spatial diversity, mounted in the display enclosure	
Range	802.11 b – Typical (@1 Mbps)	1200 feet – Outdoor Open Area 300 feet – Indoor, Office environment
	802.11 g – Typical (@1 Mbps)	1200 feet – Outdoor Open Area 300 feet – Indoor, Office environment
Form Factor	PCI-Express MiniCard	
Weight	0.026 lb (12 g)	
Dimensions	0.19 x 1.2 x 2.0 in (4.75 x 29.85 x 50.8 mm)	
Operating Voltage	3.3v +/- 10%	
Temperature	Operating Non-operating	32° to 176° F (0° to 80° C) -40° to 176° F (-40° to 80° C)
Humidity	Operating Non-operating	10% to 90% (non-condensing) 5% to 95% (non-condensing)
Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)
Configuration Utility[5]	Microsoft Windows 2000 or XP Choice of Configuration Utility: • Microsoft Windows XP Wireless Network Connection Manager • Broadcom Wireless Configuration Utility (required for Cisco Compatible Extensions support) Microsoft Windows Vista • Microsoft Windows Vista Wireless Network Connection Manager	
LED Activity	LED Off – Radio OFF; Solid LED On – Radio ON	

1. Check latest software/driver release for updates on supported security features.
2. Maximum output power may vary by country according to local regulations.
3. In Power Save Polling mode.
4. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).
5. WLAN supplier's client utility is required for Cisco Compatible Extensions support with Microsoft Windows 2000 or XP. WLAN may also be compatible with certain third-party software supplicants.

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